

FIG. 1

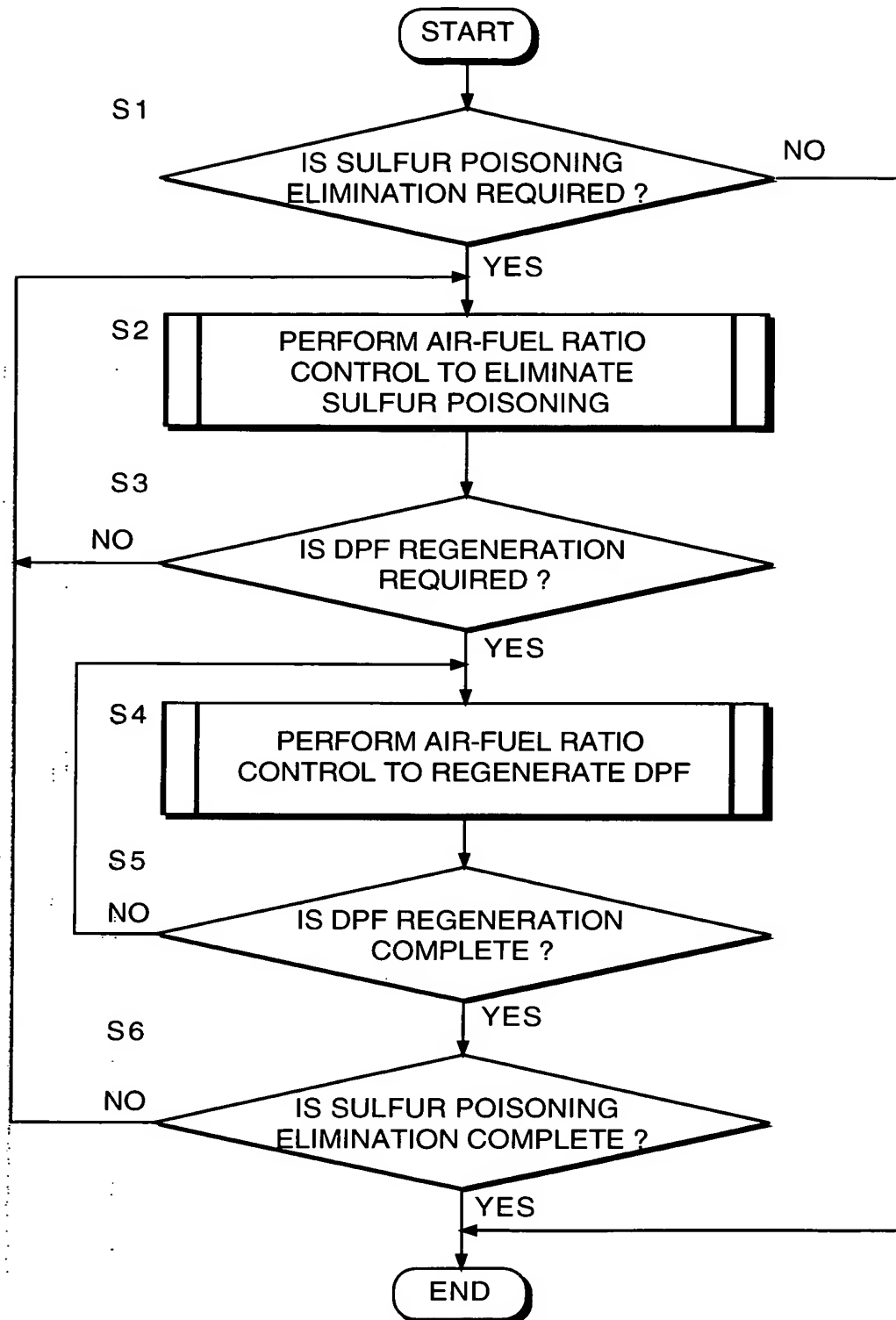


FIG. 2

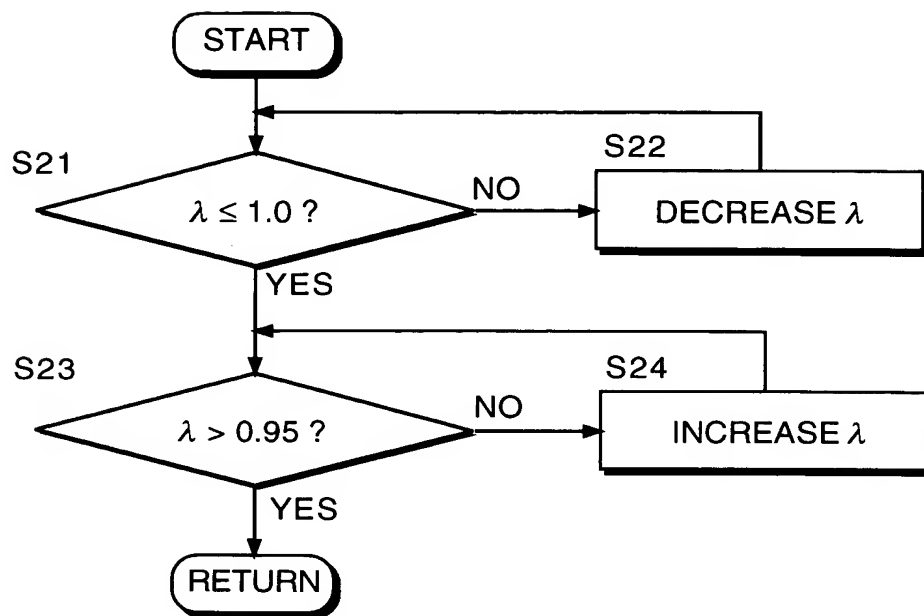


FIG. 3

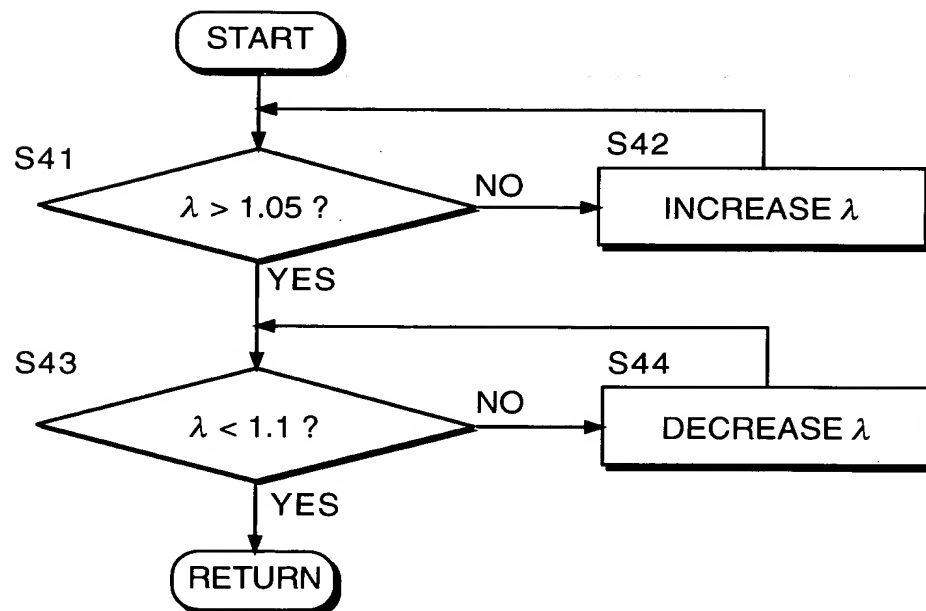
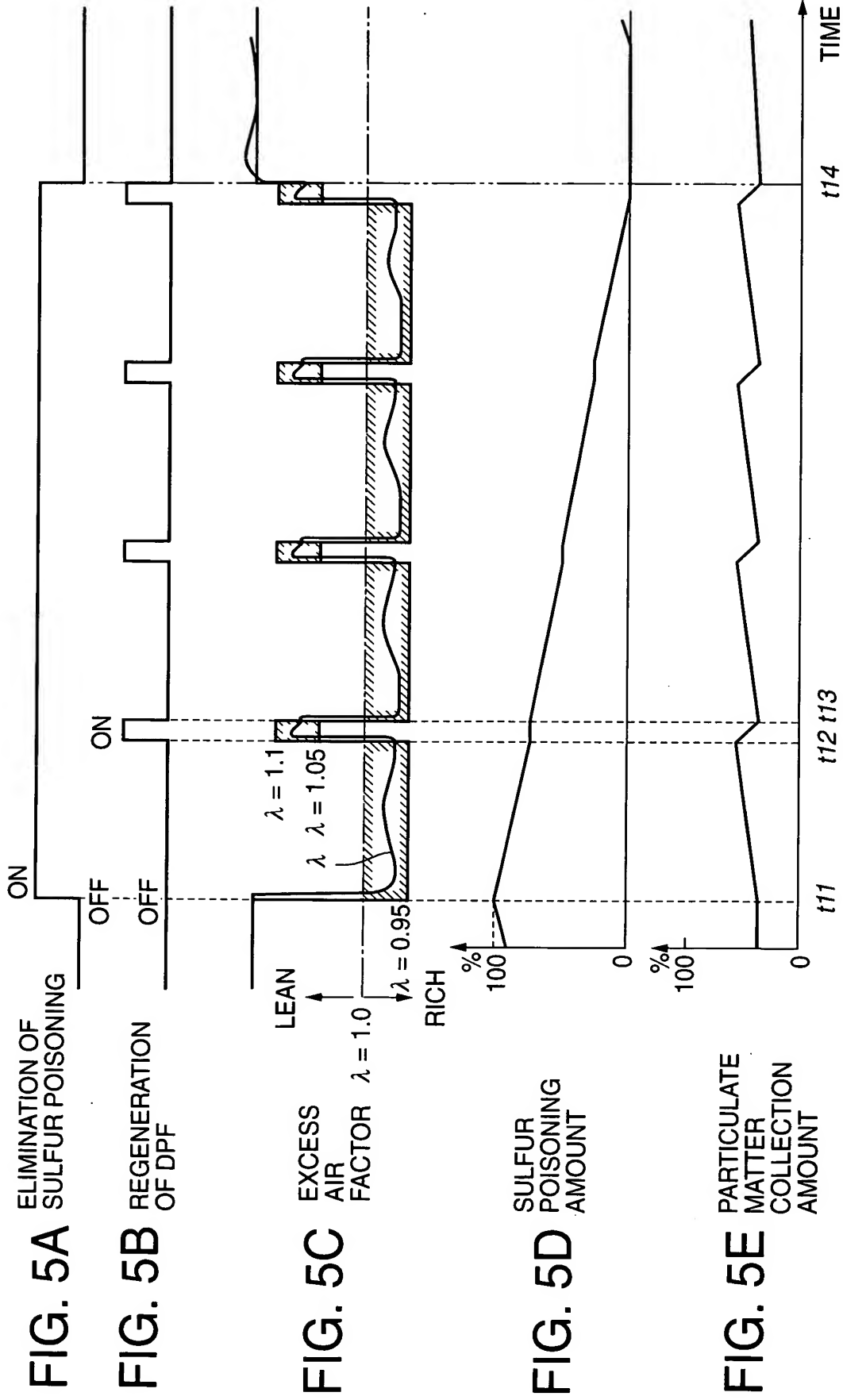


FIG. 4



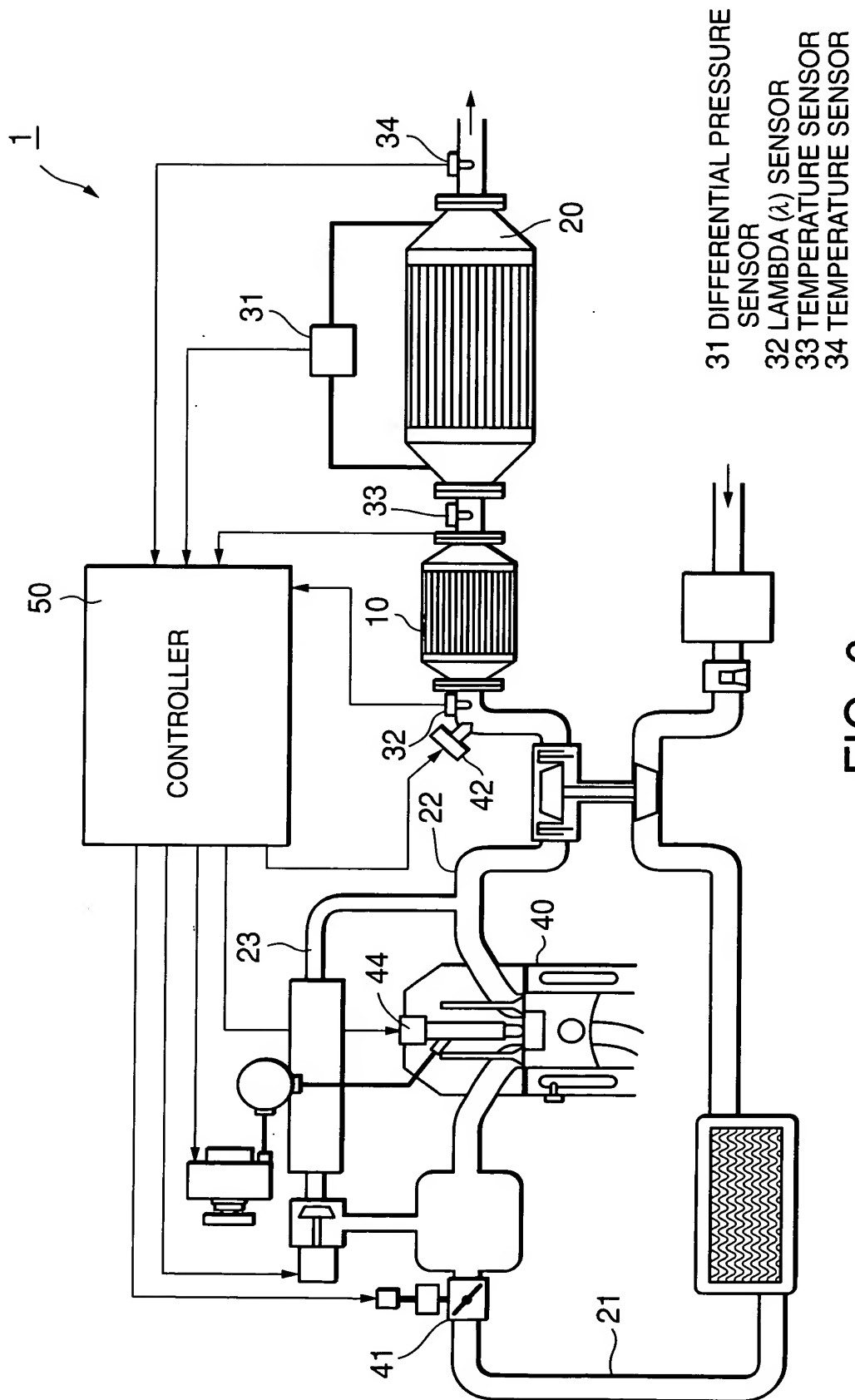


FIG. 6

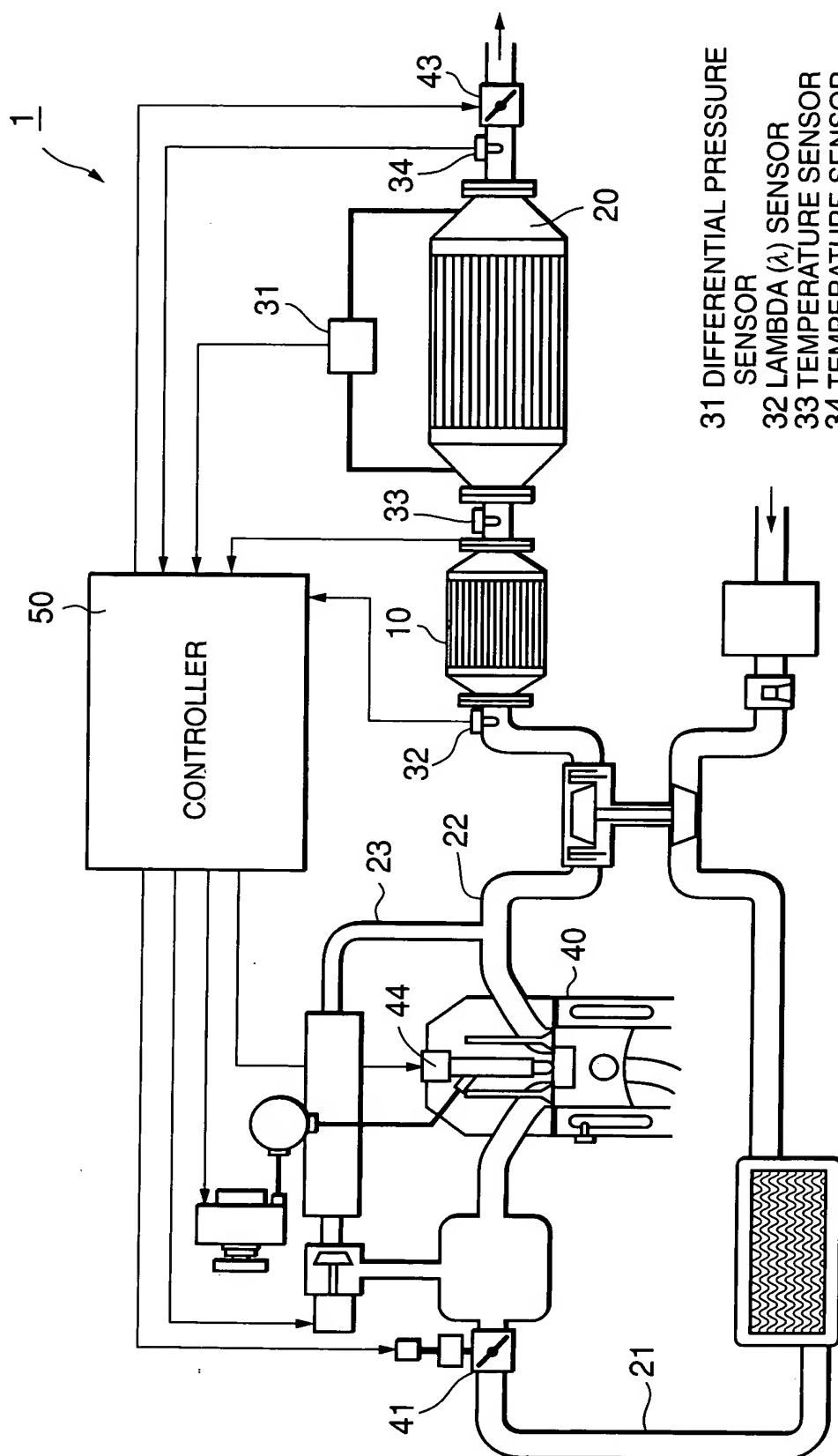


FIG. 7

ELIMINATION OF  
SULFUR  
POISONING

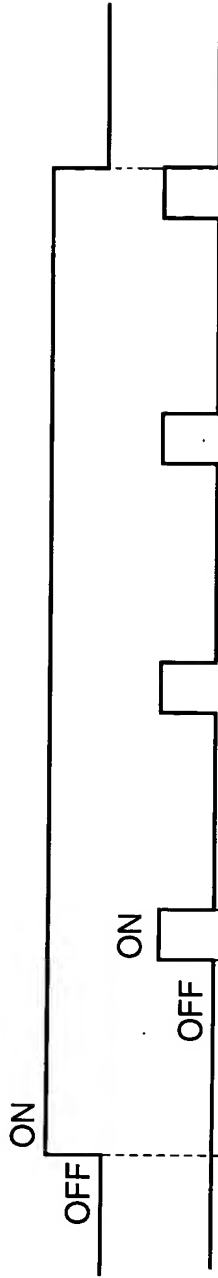
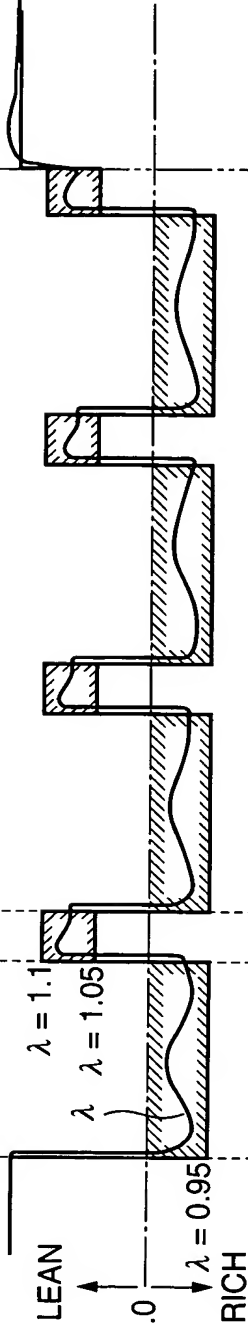


FIG. 8A

REGENERATION  
OF DPF



EXCESS  
AIR  
FACTOR  $\lambda = 1.0$

FIG. 8C

SULFUR  
POISONING  
AMOUNT

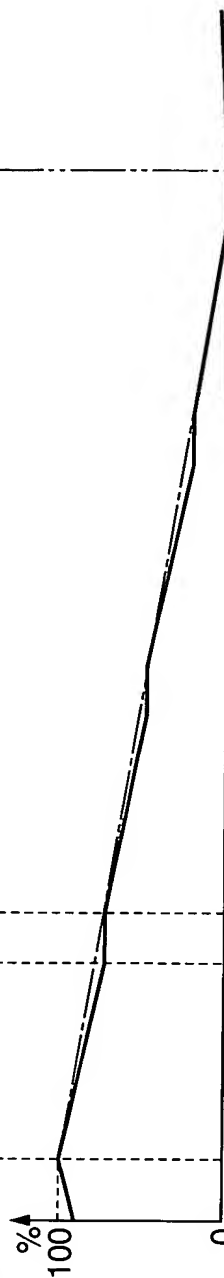


FIG. 8D

PARTICULATE  
MATTER  
COLLECTION  
AMOUNT

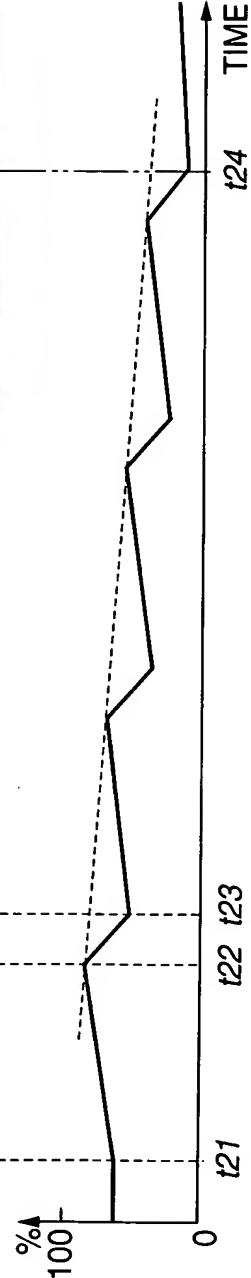


FIG. 8E

FIG. 9A  
ELIMINATION OF  
SULFUR  
POISONING

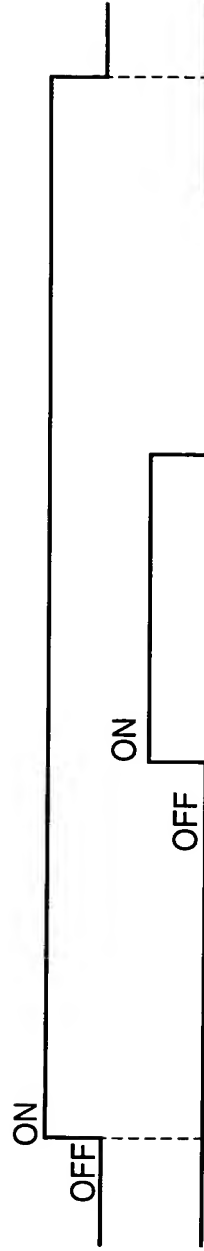


FIG. 9B  
REGENERATION  
OF DPF

EXCESS  
AIR  
FACTOR  $\lambda = 1.0$

LEAN  
↑

RICH  
↓

$\lambda = 1.1$   
 $\lambda = 1.05$

$\lambda$

$\lambda = 0.95$

FIG. 9C

FIG. 9D  
SULFUR  
POISONING  
AMOUNT

100  
0  
%

100  
0  
%

FIG. 9E  
PARTICULATE  
MATTER  
COLLECTION  
AMOUNT

$t_{34}$  TIME

$t_{33}$

$t_{32}$

$t_{31}$